3D Marine Aircraft Wing

"Bello Ac Pace Paratus"

Prepared in Peace and War

Pacific Horizon – 11
T-AVB Briefing for I MEF Deputy Commanding General

3d MAW ALD

1 Apr 2011

T-AVB Background Info

- **T-AVB Capability**
  - Intermediate level maintenance and repair
  - Parts storage
  - MF/SE/bulk-storage transportation
  - Opportune lift
  - T/M/S support through 2019
    - F/A-18, AV-8B, EA-6B, CH-53E/K, AH-1W/Z, UH-1N/Y, MV-22, UAS
  - Task-organized intermediate maintenance support provides aviation logistics flexibility
  - Supports littoral operations

PH-11 Mission

- **18 Feb – 18 March 2011.** 3d MAW conducted T-AVB operations aboard SS Curtiss in support of Exercise Pacific Horizon. MALS-39 was the lead MALS. Other 3d MAW MALS participated, as well as MWSG, MACG, and 4th MAW personnel.
  - **7-11 March 2011.** Load exercise conducted to train new load crews.
  - **1-14 March 2011.** T-AVB supported Pacific Horizon 11

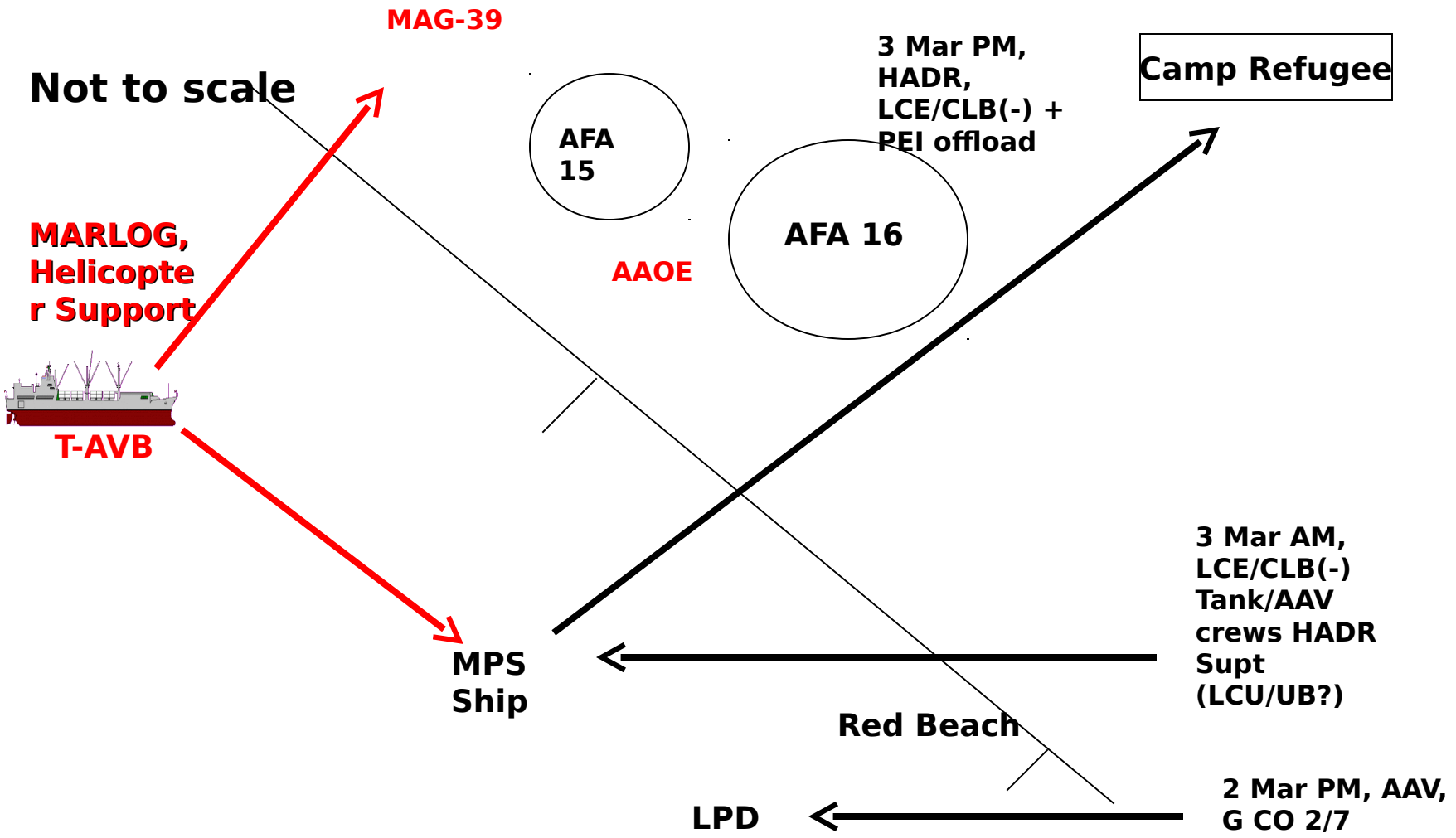
Overview

- **Biennial MARFORPAC T-AVB exercise 18 Feb – 18 Mar 2011**
- **MARFORPAC lead agent**
  - 3d MAW
- **Lead MALS**
  - MALS-39
- **SS Curtiss Commander of Troops (COT)**
  - XO, MALS-39
- **CLR-17 POG (8)**
- **CLB-5 LVSR (4)**

- **Personnel:**
  - MALS-39 (57)
  - MALS-11 (5)
  - MALS-13 (6)
  - MALS-16 (10)
  - MAG-39 (2)
  - I MEF (1)
  - MARFORPAC (1)
  - MALS-49 Augments (11)
  - MWSG-37 (18)
    - Food Service
    - ARFF
    - Comm
  - MACG-38 (8)
  - Civilian (1)

  Total Personnel (120)
- **Total MFs: (85)**
- **Supply Containers: (2)**

CONOPS


MAG-39
Not to scale
3 Mar PM,
HADR,
LCE/CLB(-) +
PEI offload
Camp Refugee
AFA
15
AFA 16
AAOE
MARLOG,
Helicopte
r Support
T-AVB
MPS
Ship
3 Mar AM,
LCE/CLB(-)
Tank/AAV
crews HADR
Supt
(LCU/UB?)
Red Beach
2 Mar PM, AAV,
G CO 2/7
LPD

Communication Capabilities

- **Daily SitRep**
  - Provided to MALS-39 HQ
  - SIPR chat used exclusively for communication with MEF COC
- **S-6**
  - MACG/MWSG provided (12) comm Marines to augment MALS-39
  - MALS provided four ALIMS Marines
- **Equipment**
  - WSC-6(V)9 SATCOM terminal
    - Deployed e-mail address
    - DSN phone capability
    - NIPR/SIPR access available
    - Increased bandwidth (1024K SIPR/512K NIPR) from normal training activation
  - HF/UHF/VHF communication capability

Medical Services

- **Medical Plan**
  - Ship dispensary with basic medical services available
  - MAG-39 doctor and corpsman embarked with MALS
  - MEDEVAC to beach required for any treatment beyond basic services
    - Emergency – Coast Guard
    - Routine – next available MARLOG flight

AVLOG Capability

- **Component repair support**
  - H-1, CH-46 aircraft
  - Capability existed to repair approx 500 line items
  - Only low priority items brought to ship
- **MALS departments/divisions represented**
  - Aircraft Survivability Equipment, Radar, Calibration
  - Airframes, Non-Destructive Inspection (NDI), Tire and Wheel
  - Dynamic Components
  - Aviation supply

Objectives Accomplished

- **Demonstrated sea-based aviation logistics**
  - (11) aircraft components repaired
  - Six items had test and check services completed
  - Performed preventive maintenance on mobile facilities and ancillary equipment
- **Trained 120 Marines in T-AVB sea-based aviation logistics**
  - Mobile facility loading and unloading
  - Operating ship's cargo booms
  - Complexing and decomplexing mobile facilities afloat
- **Coordinated flight ops**
  - Flight deck aircraft handling
  - Aircraft Rescue and Firefighting (ARFF)
- **Used ship loading software (TALPS) to plan and validate safe load**
- **Developed and exercised AT/FP Plan in conjunction with 3rd Fleet and I MEF**

Concerns and Issues

- **T-AVB Capability needs to be retained**
  - Identified as a critical asset by HQMC
  - SS Curtiss hull life expires in 2019
    - Service life extension may be an option
  - Mobile Facility Program structure required through 2025 to support all USMC T/M/S
    - Six year gap in capability unless extended or replaced
- **Requires modification and certification for MV-22**
  - Moving flight deck lights
  - Repositioning deck markings
  - Certification to handle additional weight and heat
- **Need to communicate with tactical phone lines**
  - Unable to call USMC tactical phones during exercise
    - Resolution plan is in work

PH-11 T-AVB Highlights